

AMENDMENTS TO THE SPECIFICATION:

Please amend the paragraph beginning on page 5, line 9, with the following amended paragraph:

As noted above, preferred embodiments of the invention contemplate fluid regulation including fluid transmission to the pH indicating agent and inhibiting of bleed of the agent into the fluid. Zeolites with selected pore opening sizes allow for both mechanisms. ~~Dispersions of fine hollow cellulose fibers in the layer would also accomplish both mechanisms by transmitting moisture due to their absorbent nature or by providing means to entrap the indicating agent.~~

Please delete the paragraph beginning on page 8, line 10, which starts with "The fibrous layer may be a paper,".

Please delete the paragraph beginning on page 9, line 11, which starts with "FIG. 4 is an".

Please delete the paragraph beginning on page 9, line 14, which starts with "FIG. 5 is an".

Please delete the paragraph beginning on page 9, line 17, which starts with "FIG. 6 is an".

Please amend the paragraph beginning on page 9, line 20, with the following amended paragraph:

~~FIG. 7~~ FIG. 4 is a sectional view of a multiple layer wetness indicator in accordance with another embodiment of the invention;

Please amend the paragraph beginning on page 9, line 23, with the following amended paragraph:

~~FIG. 8~~ FIG. 5 is a sectional view of a multiple layer wetness indicator in accordance with another embodiment of the invention;

Please amend the paragraph beginning on page 9, line 26, with the following amended paragraph:

~~FIG. 9~~ FIG. 6 is a perspective view showing a disposable diaper having the wetness indicator arranged therein to indicate diaper wetness; and

Please amend the paragraph beginning on page 9, line 29, with the following amended paragraph:

~~FIG. 9A~~ FIG. 6A is a fragmentary ~~perspective~~ sectional view, on an enlarged

scale, showing the wetness indicator incorporated in the disposable diaper of FIG. 9 6.

Please amend the paragraph beginning on page 11, line 7, with the following amended paragraph:

Further, the use of a fluid barrier layer or moisture transmitting resins such as ZEOLUM reduce the bleed of indicator into the environment by providing hindrance to the migration of the agent. While steric hindrance is inherent to any polymer mixture, these embodiments are particularly effective in reducing bleed. The barrier layer could function as an external wall of obstruction, the thickness of which would increase the resistance to migration of the agent whereas the use of zeolite resins ~~or resins containing hollow fibers~~ provide a means to entrap the indicating agent thereby minimizing its bleed into the environment. These embodiments are particularly useful in allowing formulators more freedom in choosing components for wetness indicating layers. These embodiments are also useful in helping preserve the definition of graphics that are comprised of such composites.

Please amend the paragraph beginning on page 12, line 24, with the following amended paragraph:

It should be appreciated that each of the wetness indicators described above may be provided in the form of a polymer layer[,] or a printed ink layer ~~or a fibrous layer~~. Further, the microporosity of the layers enables the fluid or moisture to penetrate deeper into the layer or layers, based upon the amount of fluid present in the environment. Accordingly, multiple layers may each have a different pH indicating agent and response or different concentration and intensity of response. In this manner, the layers may be arranged to provide for indication of threshold levels and/or different degrees of wetness or fluid in the environment.

Please delete the paragraph beginning on page 13, line 3, which starts with "Referring to Fig. 4,".

Please delete the paragraph beginning on page 13, line 14, which starts with "In this embodiment,".

Please delete the paragraph beginning on page 13, line 20, which starts with "Referring to FIG. 5,".

Please delete the paragraph beginning on page 13, line 31, which starts with "In practice,".

Please amend the paragraph beginning on page 14, line 5, with the following amended paragraph:

Referring to FIG. 7 4, a wetness indicator 60 comprises a multiple layer composite formed by layers 62, 64, 66 and 68. Each of the layers 62, 64 and 66 may include differing amounts of pH indicating agents or different pH indicating agents. In addition, each of the layers 62, 64 and 66 provides sufficient microporosity or MVTR to allow penetration by the fluid of the environment and contact with the pH indicating agents. The degree of fluid penetration will be proportional to the fluid concentration or level in the environment. The layer 68 is a clear or transparent layer.

Please amend the paragraph beginning on page 14, line 21, with the following amended paragraph:

Referring to FIG. 8 5, a wetness indicator 70 comprises a three layer composite including

a protective layer 72, an indication layer 74 and a barrier and anchorage layer 76. The indication layer 74 comprises a layer of pH indicating printing ink. The layer 76 secures the composite 70 to a substrate 78. In this composite, the barrier layer 72 prevents the indicating agent dye from flowing or dissipating into the surrounding fluid environment, but does allow for the passage of fluid to the indication layer. Such a layer may consist of any ink that is somewhat transparent to allow for visual indication in viewing from side A. Such an ink layer may also consist of polymers and/or resins that allow for absorption, transmission of moisture and fluid to allow the indicating layer to come into fluid contact and be activated. The degree of saturation or penetration of fluid in this layer enables differential indication. The layer 76 may be present as a barrier anchorage layer that is applied to the substrate 78 prior to applying the indicating layer 74. The function of the layer 76 may include allowing for visual indication from side B, assisting in anchoring the layer 74 to the substrate 78 and further sealing the

adjacent side of the indication layer 74 so that activation can only occur from one side.

Please amend the paragraph beginning on page 15, line 13, with the following amended paragraph:

Referring to ~~FIG. 9~~ FIGS. 6 and 6A, a disposable diaper 80 is shown. The diaper 80 includes a water impervious backing sheet 82 and absorbent pad 84 which may include an absorbent fiber layer as well as a facing sheet which would contact a user's skin. The composite 70 is secured to the inside surface of the backing sheet 82 by the barrier anchorage layer 76. The layer 76 is substantially transparent so that indication layer 74, upon contact with the urine or fluid environment of the diaper, will be visible through the backing sheet 82.